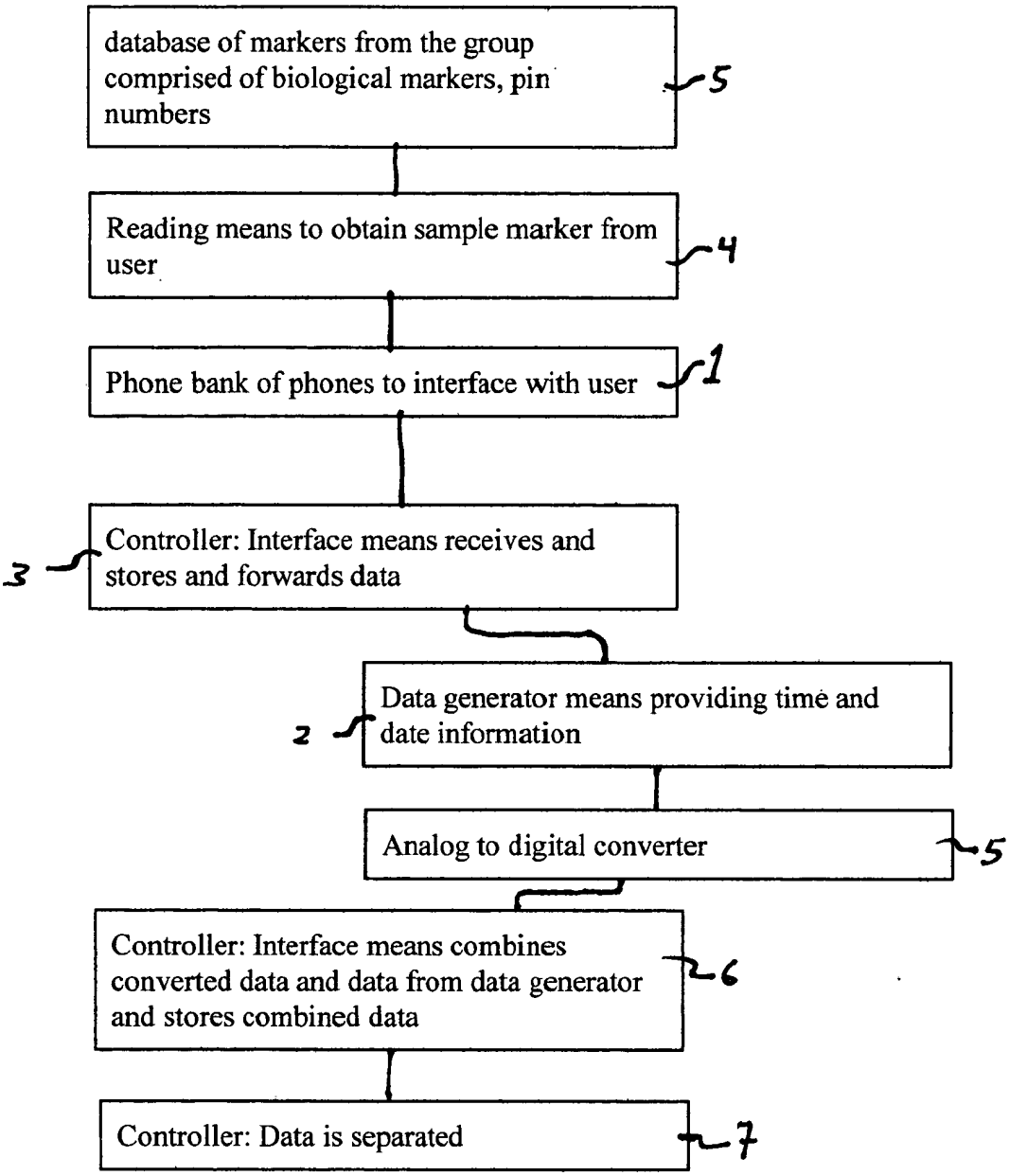

database of markers from the group comprised of biological markers, pin numbers
5
Reading means to obtain sample marker from user
4
Phone bank of phones to interface with user
1
Controller: Interface means receives and stores and forwards data
3
Data generator means providing time and date information
2
Analog to digital converter
5
Controller: Interface means combines converted data and data from data generator and stores combined data
6
Controller: Data is separated
7

Figure 1a

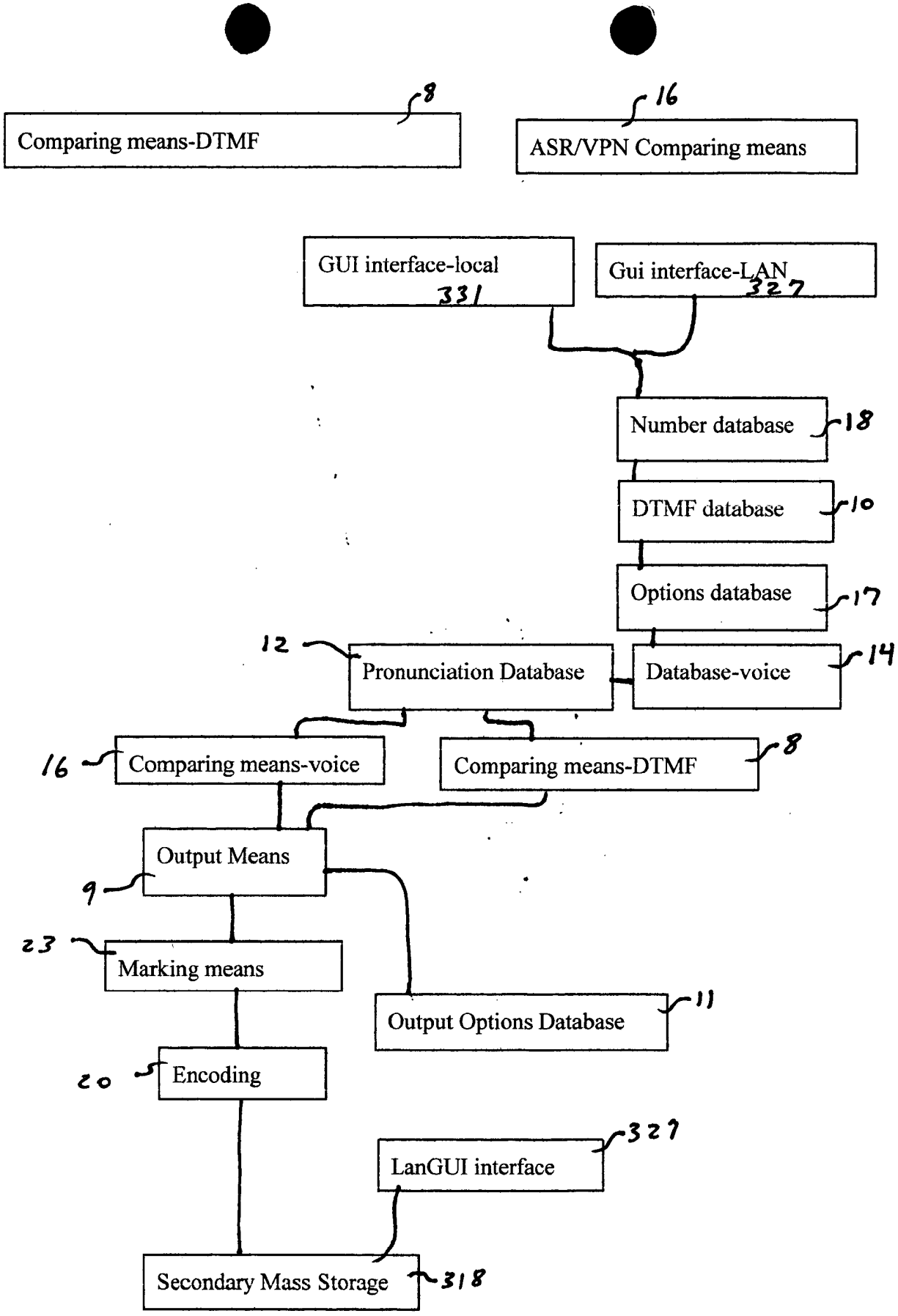
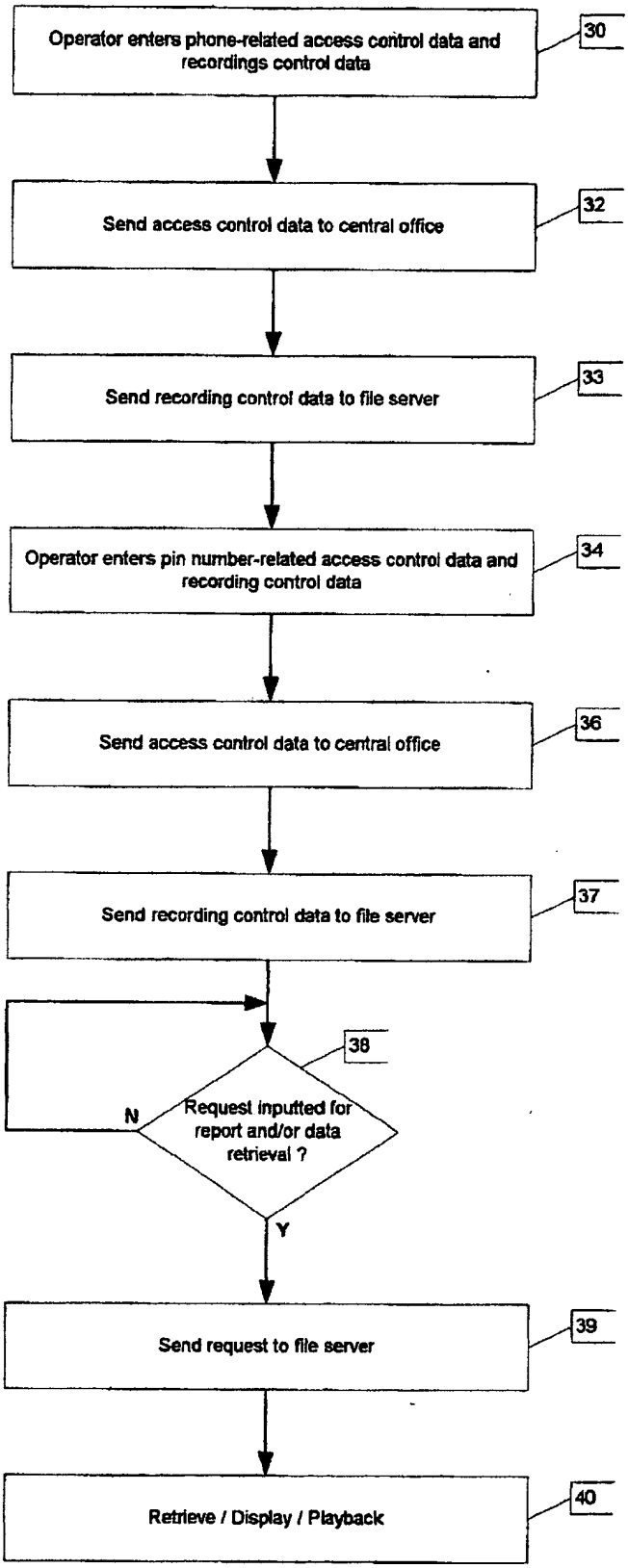

Comparing means-DTMF
8
ASR/VPN Comparing means
16
GUI interface-local
331
Gui interface-LAN
327
Number database
18
DTMF database
10
Options database
17
12
Pronunciation Database
Database-voice
14
16
Comparing means-voice
Comparing means-DTMF
8
Output Means
9
23
Marking means
Output Options Database
11
20
Encoding
LanGUI interface
327
Secondary Mass Storage
318

Figure 16

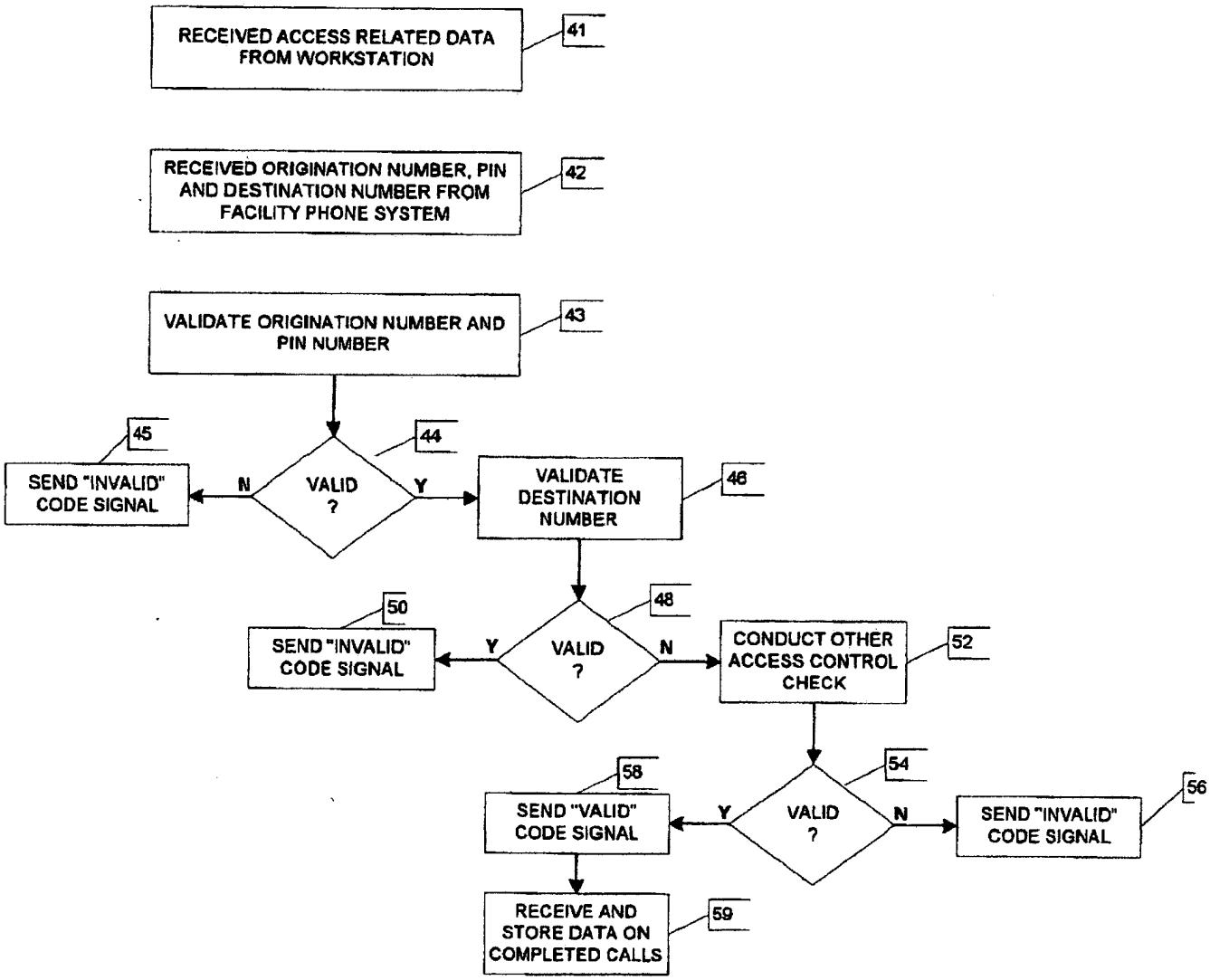
WORKSTATION

FIGURE 2



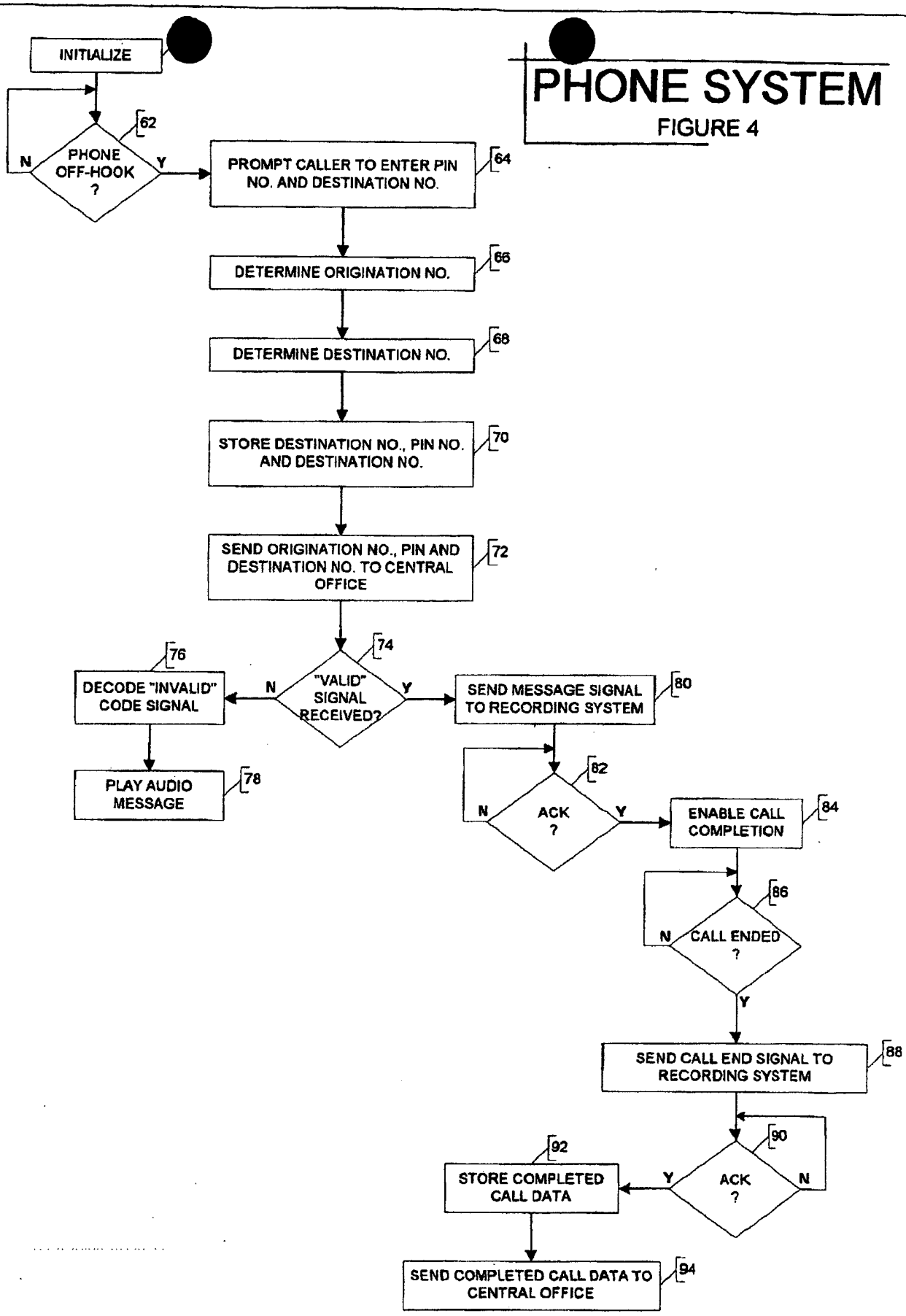
CENTRAL OFFICE

FIGURE 3



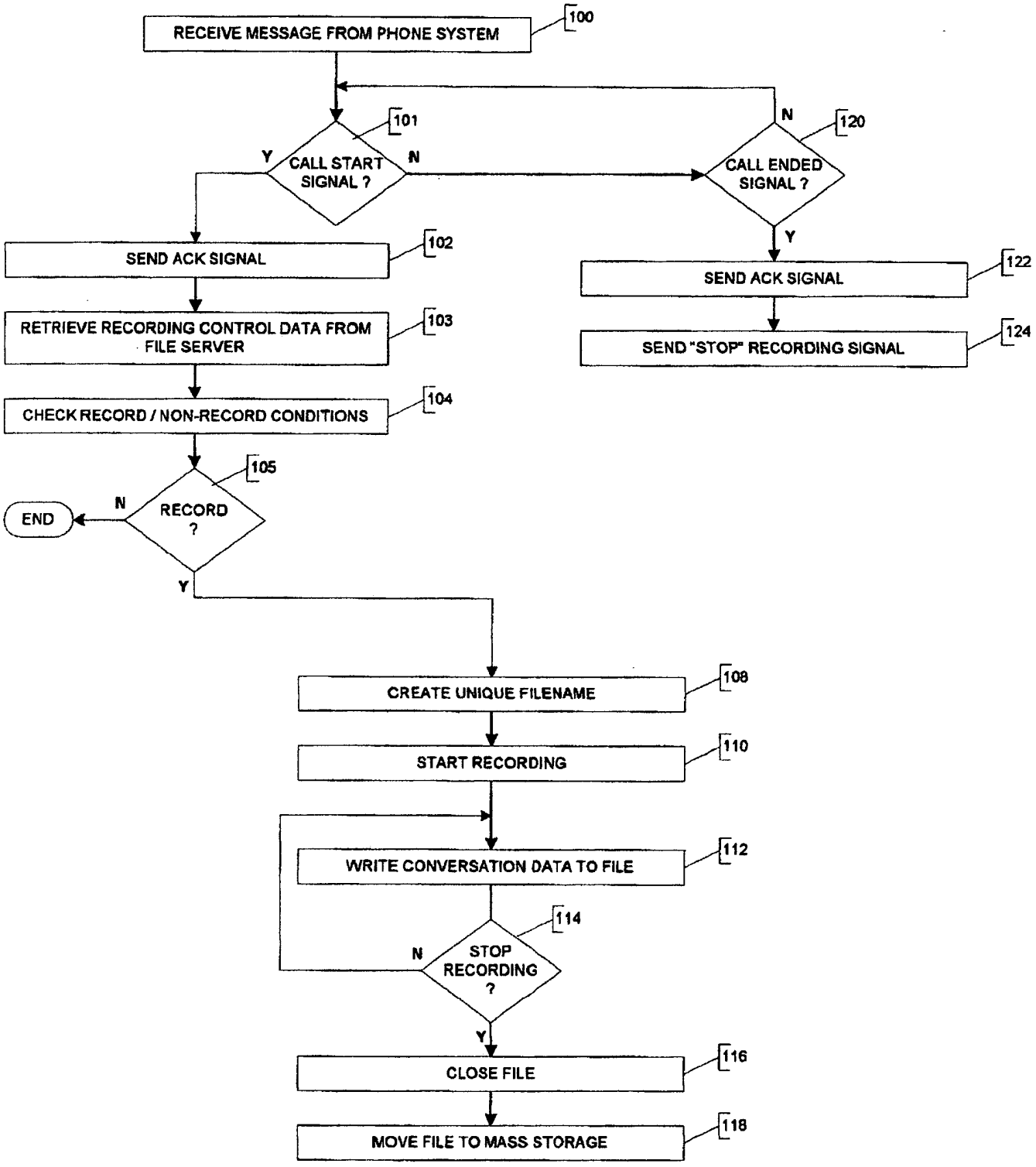
PHONE SYSTEM

FIGURE 4



RECORDING SYSTEM

FIGURE 5



FILE SERVER

FIGURE 6

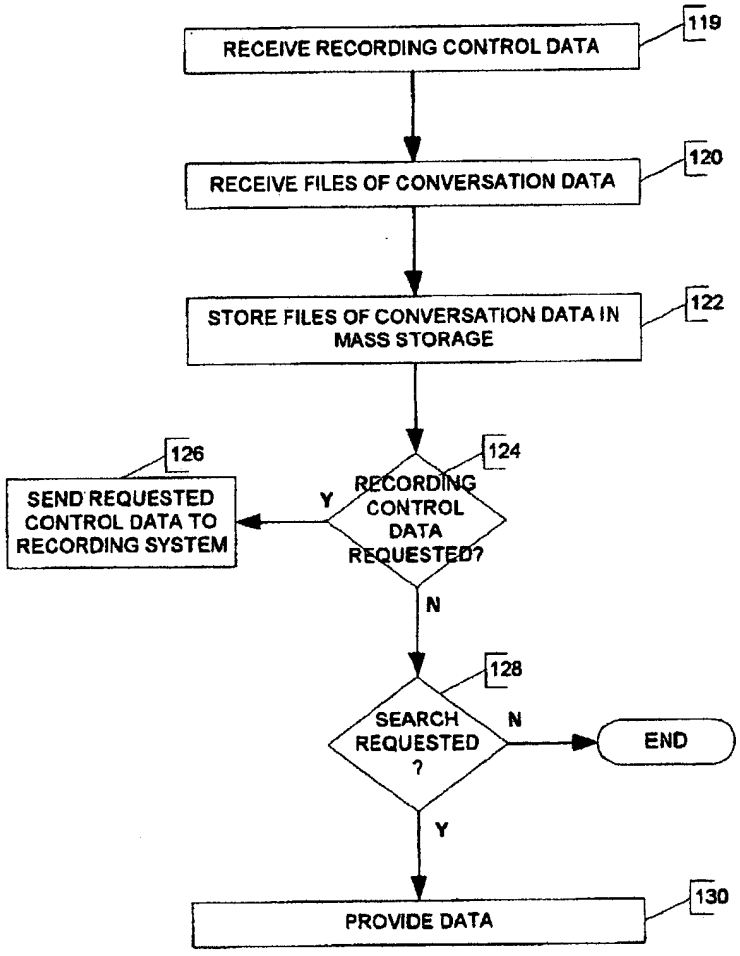
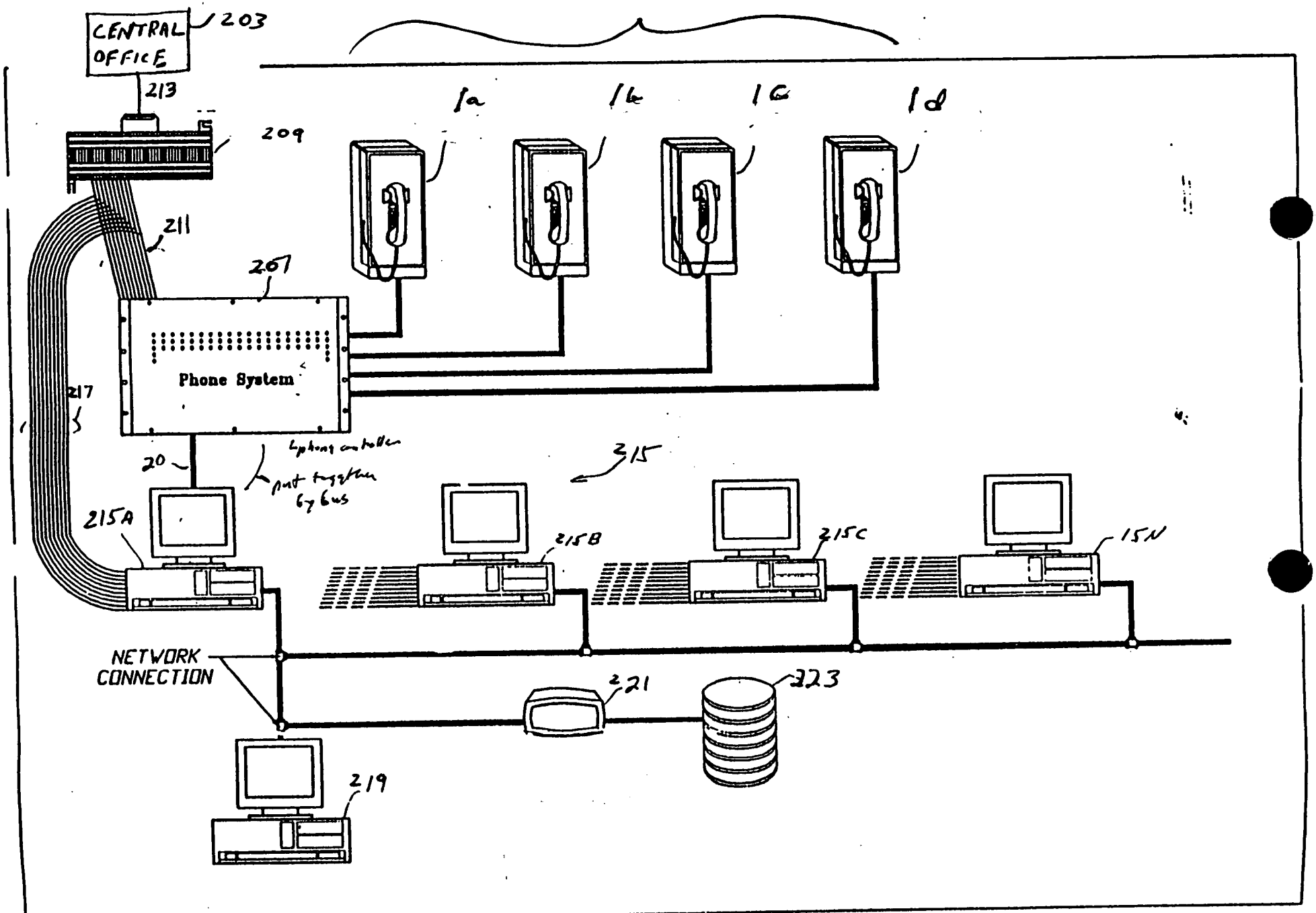


FIG. 7


1
CENTRAL OFFICE
203
213
209
1a
1b
1c
1d
211
207
Phone System
217
20
215
215A
215B
215C
15N
NETWORK CONNECTION
221
223
219

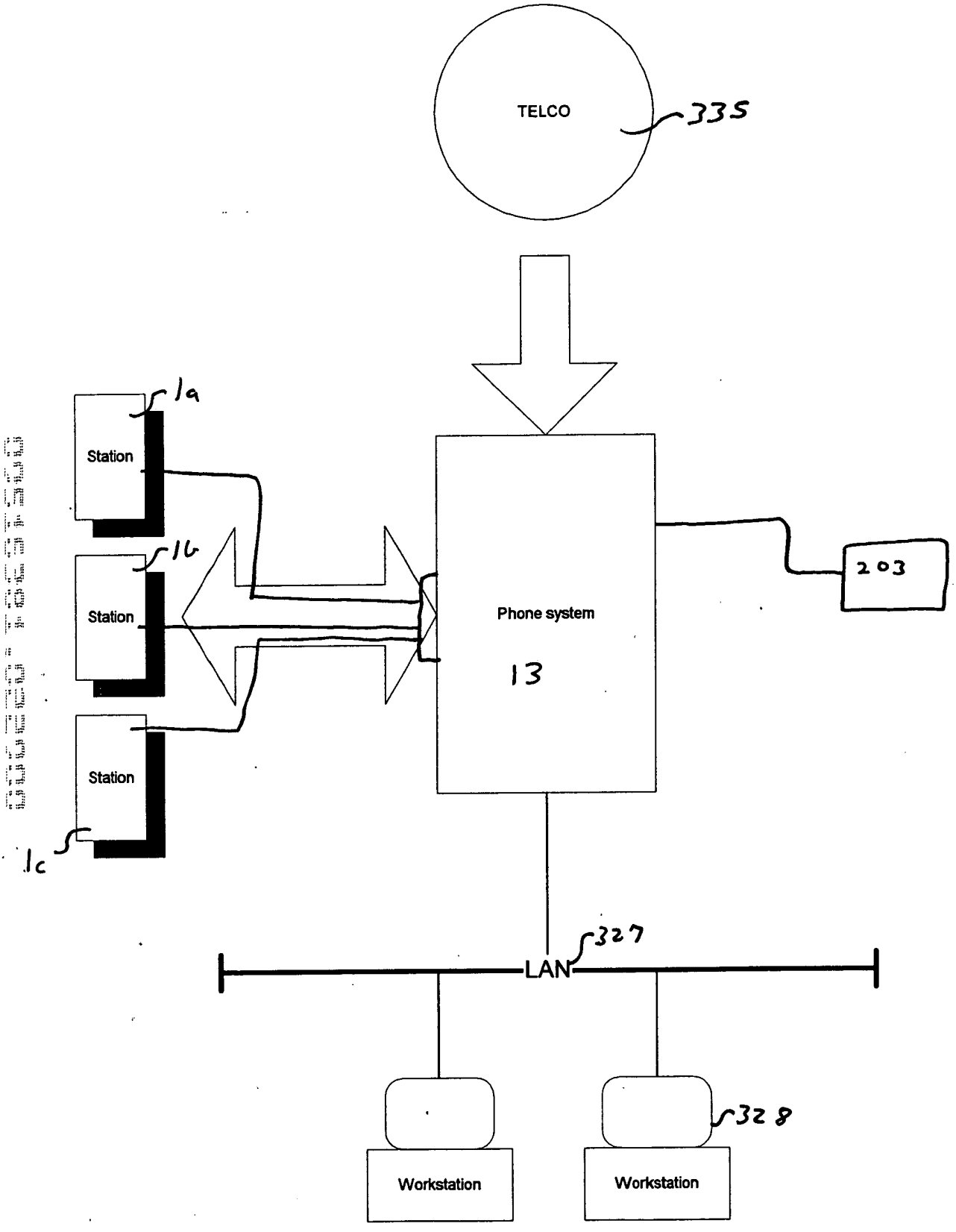
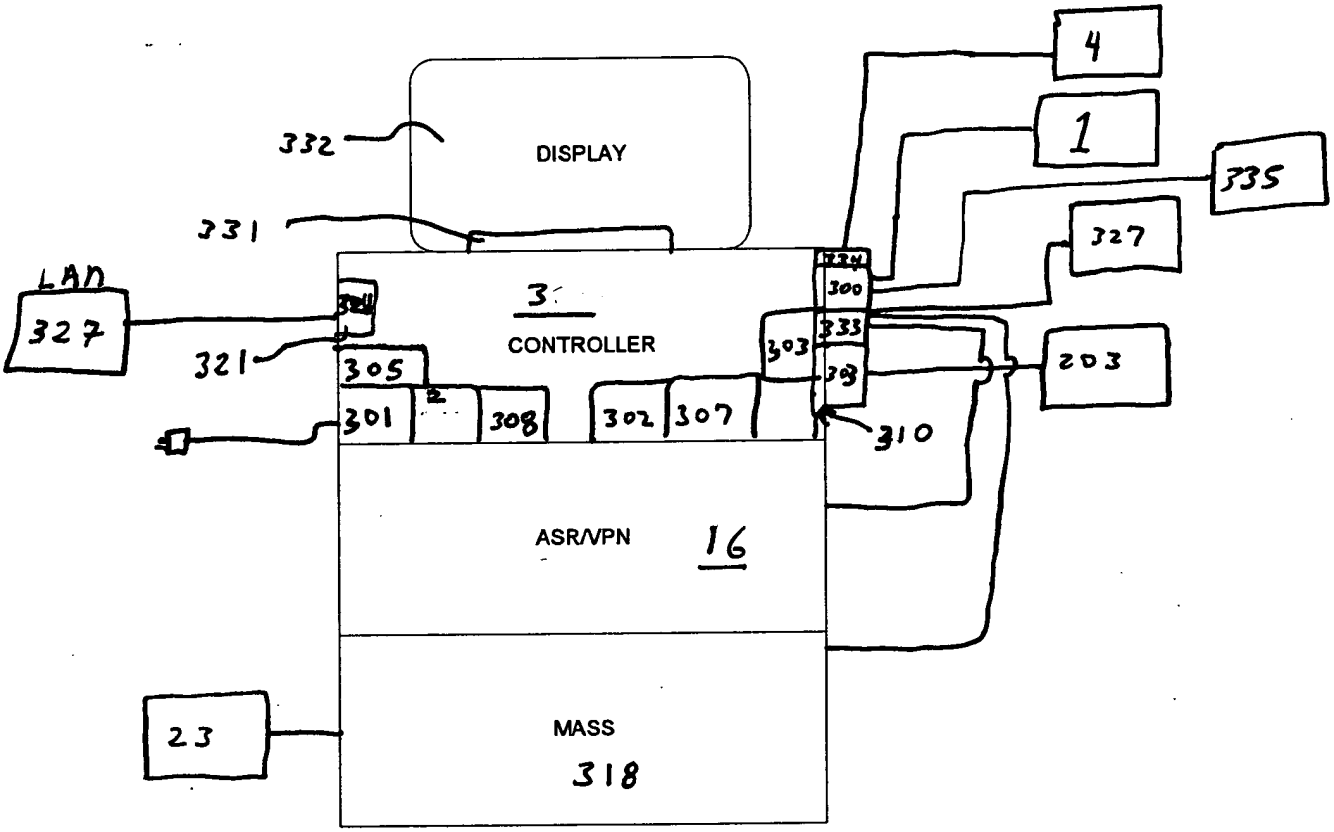

TELCO
335
1a
Station
1b
Station
1c
Station
Phone system
13
203
LAN
327
328
Workstation
Workstation

Figure 8



LazerPhone
Phone System

Figure 9

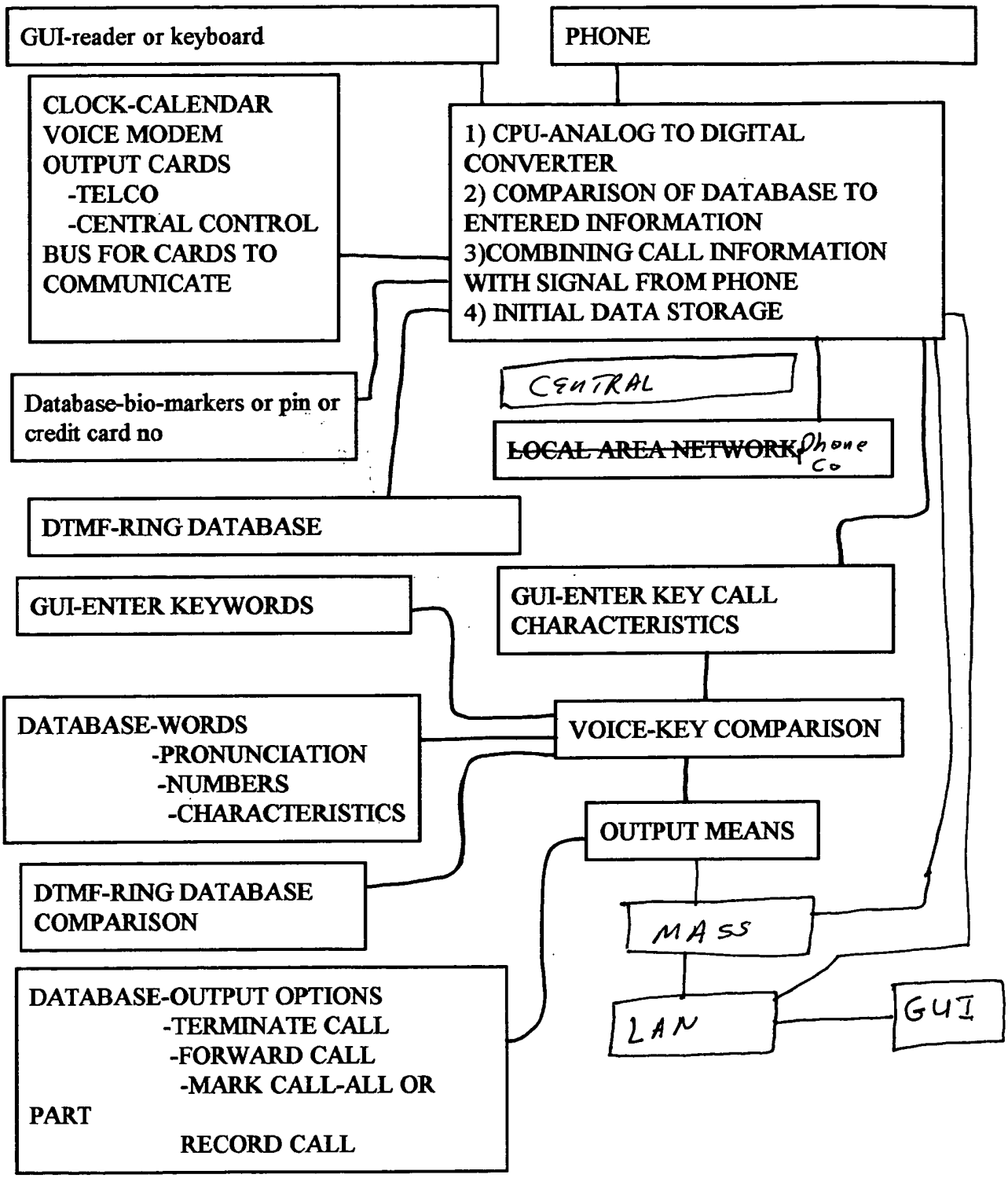

GUI-reader or keyboard
PHONE
CLOCK-CALENDAR
VOICE MODEM
OUTPUT CARDS
-TELCO
-CENTRAL CONTROL
BUS FOR CARDS TO COMMUNICATE
1) CPU-ANALOG TO DIGITAL CONVERTER
2) COMPARISON OF DATABASE TO ENTERED INFORMATION
3)COMBINING CALL INFORMATION WITH SIGNAL FROM PHONE
4) INITIAL DATA STORAGE
Database-bio-markers or pin or credit card no
CENTRAL
~~LOCAL AREA NETWORK~~ Phone Co
DTMF-RING DATABASE
GUI-ENTER KEYWORDS
GUI-ENTER KEY CALL CHARACTERISTICS
DATABASE-WORDS
-PRONUNCIATION
-NUMBERS
-CHARACTERISTICS
VOICE-KEY COMPARISON
OUTPUT MEANS
DTMF-RING DATABASE COMPARISON
MASS
LAN
GUI
DATABASE-OUTPUT OPTIONS
-TERMINATE CALL
-FORWARD CALL
-MARK CALL-ALL OR PART
RECORD CALL

Figure 10

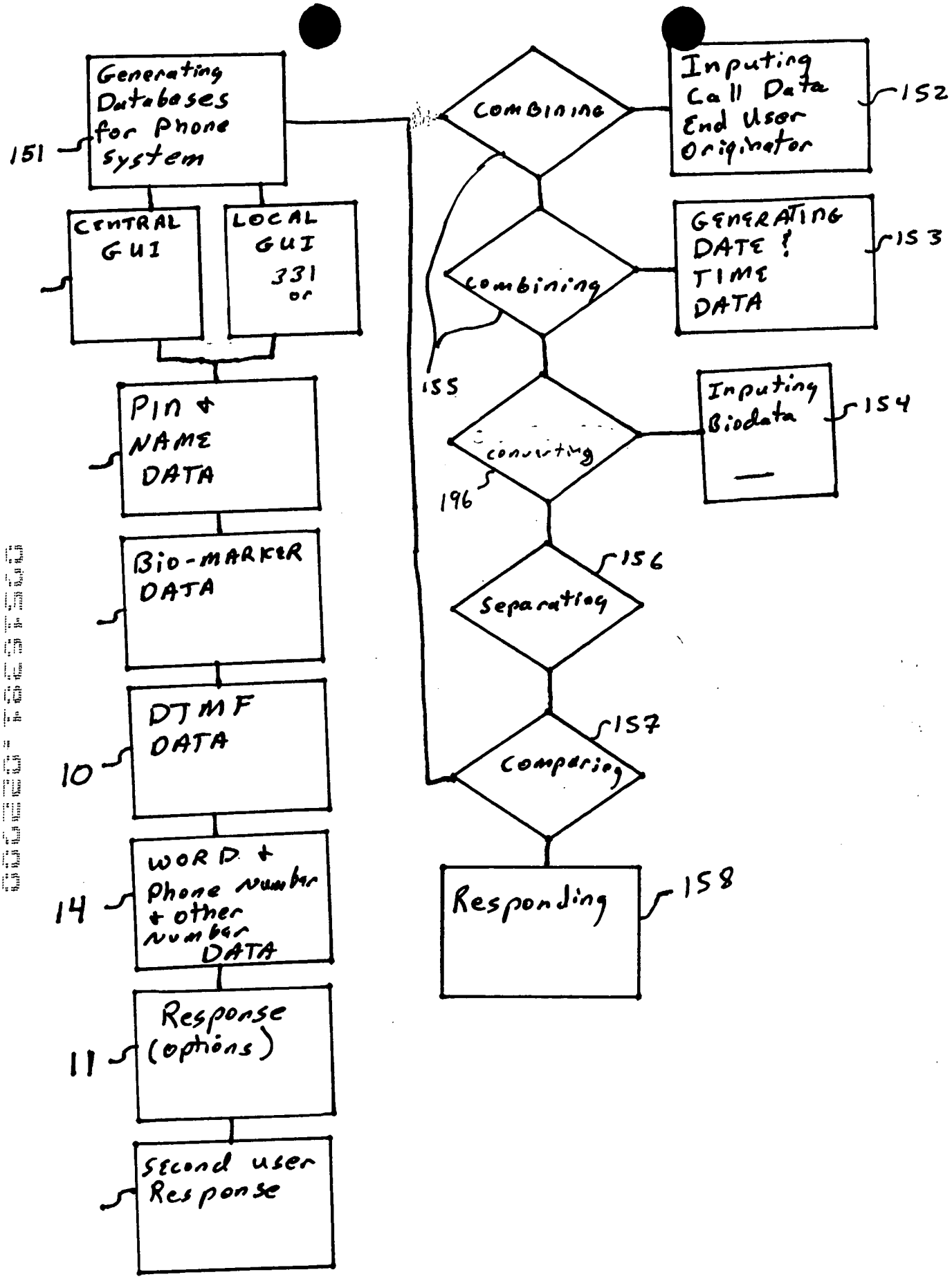

Generating Databases for Phone system
151
CENTRAL GUI
LOCAL GUI 331 or
PIN & NAME DATA
Bio-MARKER DATA
DTMF DATA
10
WORD + Phone number + other number DATA
14
Response (options)
11
Second user Response
COMBINING
Inputing Call Data End User Originator
152
GENERATING DATE / TIME DATA
153
combining
155
converting
196
Inputing Biodata
154
156
Separating
157
Comparing
Responding
158

Figure 11

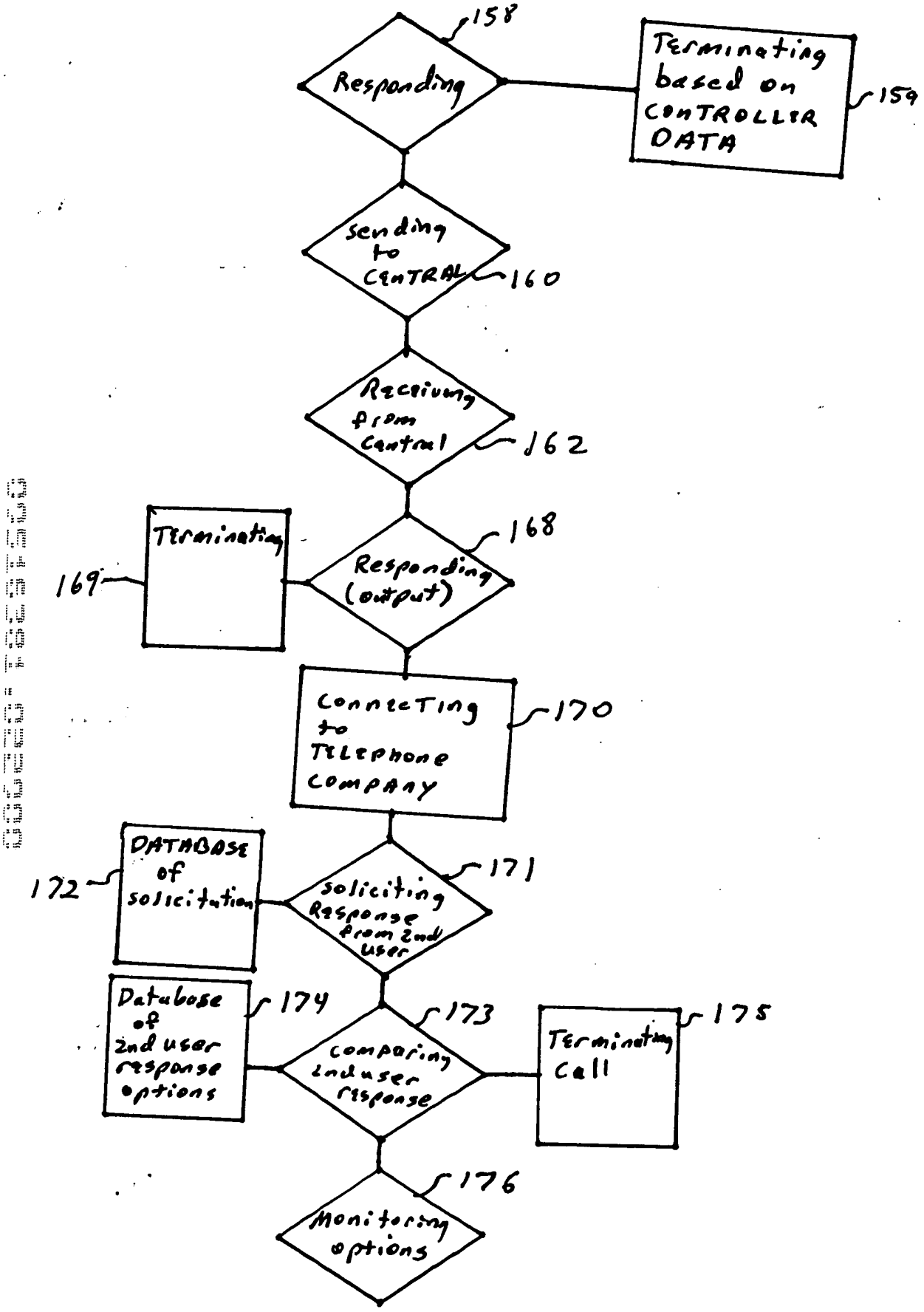

158
Responding
Terminating based on CONTROLLER DATA
159
Sending to CENTRAL
160
Receiving from Central
162
Terminating
169
Responding (output)
168
Connecting to Telephone Company
170
DATABASE of solicitation
172
Soliciting Response from 2nd user
171
Database of 2nd user response options
174
Comparing 2nd user response
173
Terminating Call
175
Monitoring options
176

Figure 12

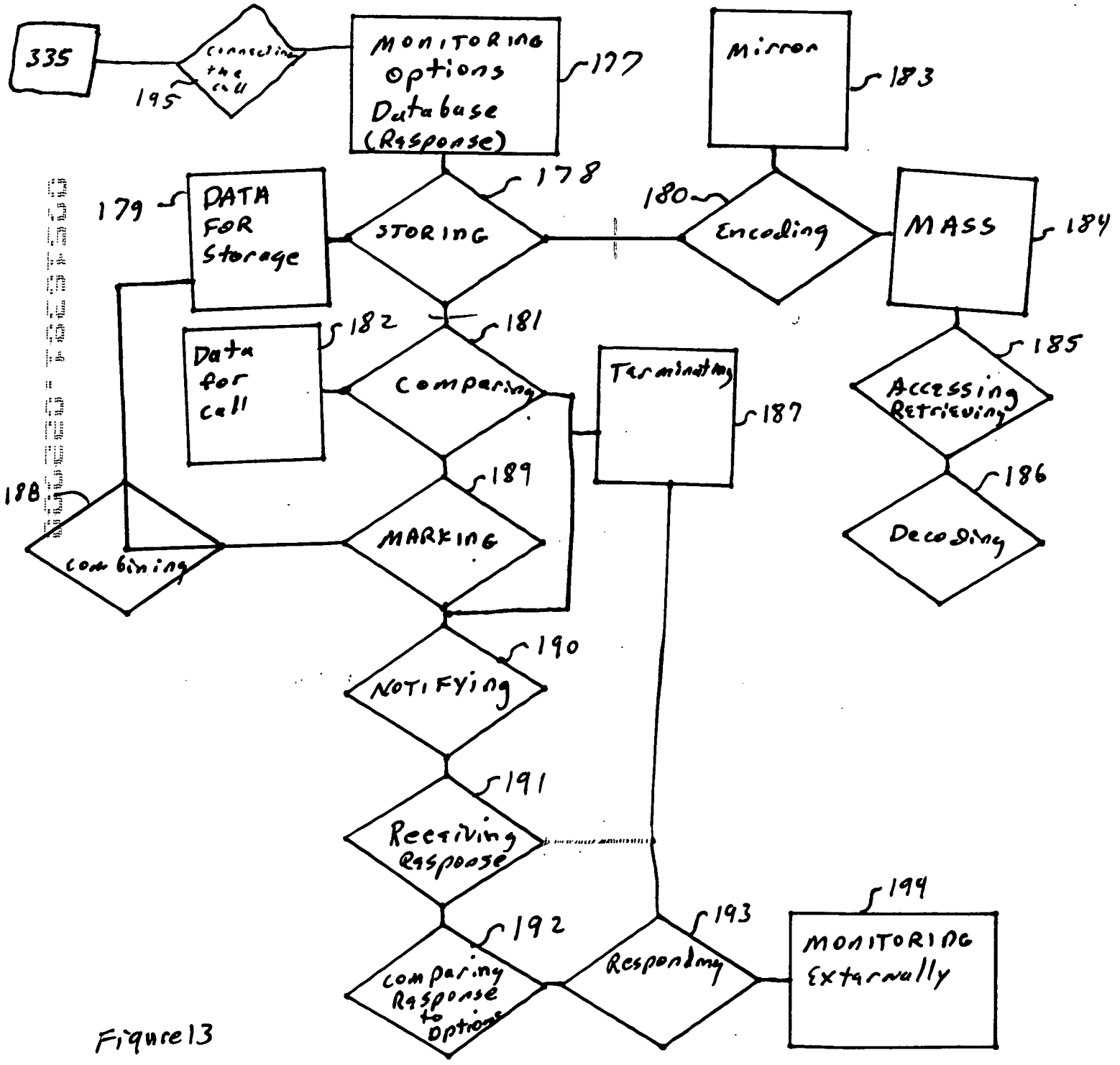

335
Connecting the call
195
MONITORING options Database (Response)
177
Mirror
183
DATA FOR Storage
179
STORING
178
Encoding
180
MASS
184
Data for call
182
Comparing
181
Terminating
187
Accessing Retrieving
185
Decoding
186
combining
188
MARKING
189
NOTIFYING
190
Receiving Response
191
comparing Response to Options
192
Responding
193
MONITORING Externally
194

Figure 13

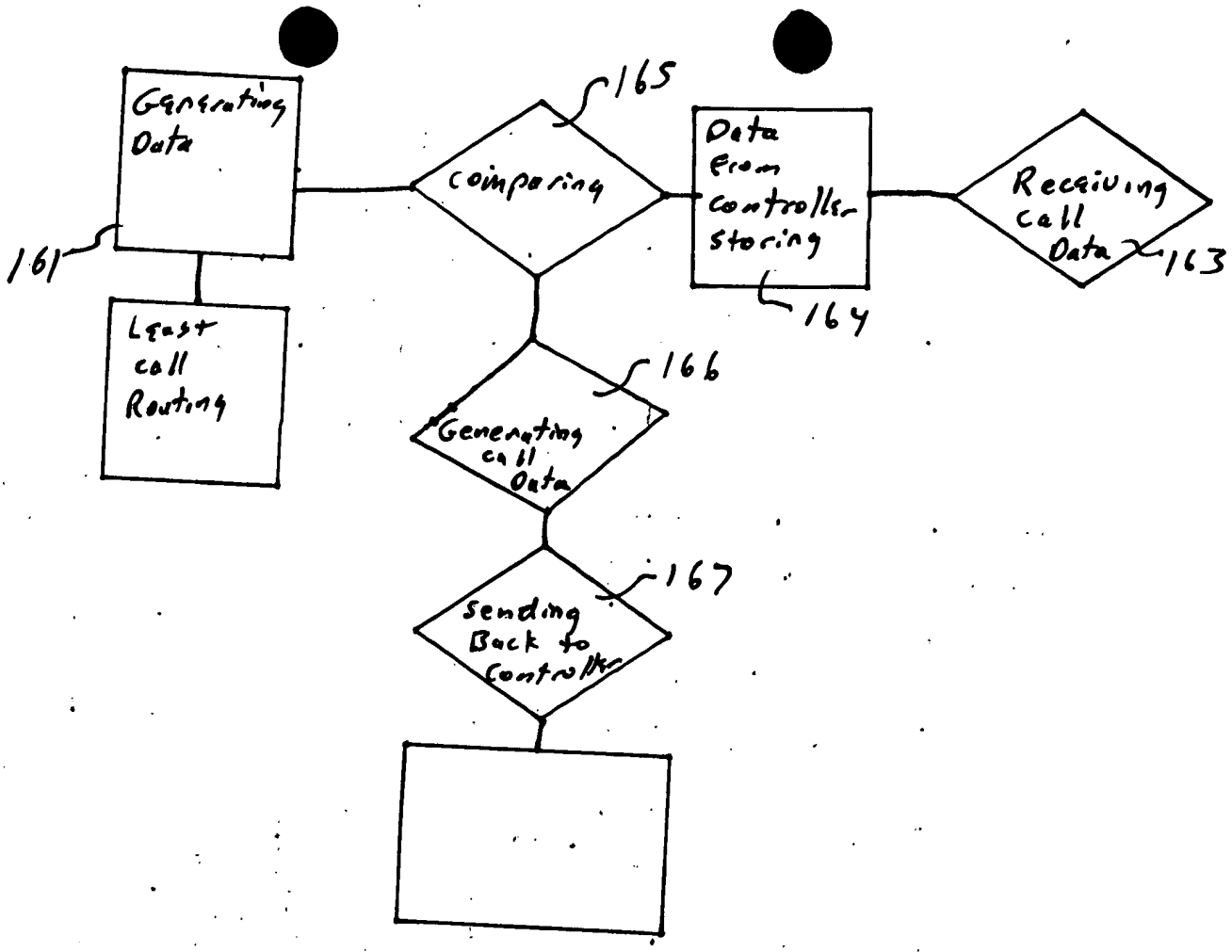

Generating Data
161
Least call Routing
comparing
165
Data from controller storing
164
Receiving call Data
163
Generating call Data
166
Sending Back to Controller
167

Figure 14